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Mountain precipitation was below to well below average over most of the state during February. Snow conditions continued to deteriorate and are now below to well below average over much of the state except in northwest Montana where near to above average snowpacks remain. Spring and summer streamflows are expected to be below to well below average across much of Montana with only streams in northwest and north-central Montana forecast to be near or above average. The Surface Water Supply Indexes (SWSI) range from -3.7 on the Beaverhead River Basin to +3.3 on the Tobacco and Marias River Basins. Many basins have an index in the -2.0 to -3.0 range.

SNOWPACK

Mountain snowpack conditions have continued to deteriorate over most of the state during February as a result of below to well below average snow accumulations and above average temperatures. Some low elevation snowmelt has occurred due to the above average temperatures. Mountain snowpacks are now below to well below average over much of the state except in northwest Montana where near to above average snowpacks remain. Snowpacks, west of the Divide, range from near to above average on the Kootenai and Flathead River Basins to well below average in the Upper Clark Fork River Basin, where snowpacks are in the 60 to 70 percent of average range. The Blackfoot and Lower Clark Fork River Basins report 85 to 95 percent of average snowpacks while the Bitterroot River Basin has 70 to 80 percent of average snowpacks. East of the Divide, basin-wide snowpacks are generally below to well below average except in north-central Montana where the Sun, Teton, Marias, Milk and St. Mary River headwaters have above average snowpacks ranging from about 115 to 135 percent of average. In contrast, the Big Hole, Beaverhead, Ruby and Boulder River Drainages report well below average snowpacks in the 55 to 65 percent of average range. The Madison, Gallatin, Smith, Judith and Musselshell River Basins all report snowpacks ranging from 65 to 75 percent of average. In the Upper Yellowstone River Basins, snowpacks range from about 70 to 80 percent of average. The Lower Yellowstone tributaries in Wyoming report 80 to 100 percent of average snow.

PRECIPITATION

MOUNTAIN AREAS - Mountain precipitation totals for February were below to well below average throughout Montana except in the extreme northwest corner where stations reported near to a little above average amounts. The Kootenai Basin reported about 110 percent of average precipitation for February while the Flathead, St. Mary, Milk, Sun, Teton, Marias and Lower Clark Fork River Basins received 65 to 80 percent of average. Elsewhere in Montana, mountain precipitation ranged from about 30 percent of average on the Jefferson and Madison River Drainages to about 55 percent of average on the Upper Yellowstone River Basin. The Bighorn Mountains in Wyoming, which feed the Lower Yellowstone tributaries, received near average amounts of precipitation. Cumulative mountain precipitation, since October 1, 1990, remains well above average for the northwestern and north-central parts of the state, near average in western Montana and below average in the southwestern, central and south-central areas of Montana.

VALLEY AREAS - February valley precipitation totals were below to much below average across all of western and southwestern Montana, where most stations reported less than half of the average amount. Most stations, east of the Divide, reported below to much below average precipitation but there were several notable exceptions. A band of near to above average precipitation fell along the northern tier of counties from northwest Toole County east to central Daniels and Roosevelt Counties. Another narrow band of near to above average precipitation fell in an almost straight north-south line, 30 to 40 miles wide, from Blaine County in north-central Montana to Carbon County in south-central Montana. A third pocket of near to a little above average precipitation fell along the north and east slopes of the Snowy and Little Belt Mountains. An area of above to much above average precipitation fell for the second month in a row in extreme southeast Montana. The greatest amounts fell in two narrow zones. The first one being about 30 to 40 miles wide and stretching from near Ashland through Ekalaka to the North Dakota border. Precipitation within this band reached 150 percent of average at Ekalaka and 197 percent of average at Knobs. Both are located in the extreme northern part Carter County. The other band fell near the Wyoming border in extreme southern areas of Powder River and Carter Counties. The amounts ranged from 120 to 160 percent of average.

RESERVOIRS

West of the Divide, most reservoir storage levels are reported to be near to above average for March 1. The exceptions are Lake Koocanusa and the combined storage of the eight Mission Valley Reservoirs where storage levels remain below to well below average. East of the Divide, well below average storage is reported in Lima and Clark Canyon Reservoirs. Smith River, Bair, Martinsdale, Deadman's Basin and Fort Peck Reservoirs report below average storage levels. Near to well above average storage is found in most other reservoirs.

STREAMFLOW

Spring and summer streamflows are now forecast to be below to well below average over most of the state except in the northwestern and north-central areas where near to above average flows are expected. West of the Divide, streamflows are forecast to be in the 110 to 130 percent of average range on the Kootenai and Flathead River Basins, near to a little below average on the Clark Fork below St. Regis and the Blackfoot River Basins, 70 to 80 percent of average on the Bitterroot River Basin and 60 to 70 percent of average on the Upper Clark Fork River and its tributaries. East of the Divide, streamflows are expected to be between 115 and 135 percent of average on the Sun, Teton and Marias River Basins and between 105 and 115 percent of average on the Milk and St. Mary Basins. Elsewhere, forecasts are below to well below average with southwest Montana having the lowest forecasts. Streamflow projections generally range from 40 to 60 percent of average on the Jefferson, Madison, Lower Gallatin, Smith, Judith and Musselshell River Basins. Forecasts on the Missouri Mainstem above Fort Benton range from about 55 to 65 percent of average while forecast below Fort Benton are about 70 percent of average. On the Yellowstone River Basin, forecasts generally range from about 70 to 85 percent of average.

SOIL MOISTURE

In general, mountain soil moisture conditions are above average in northwest and north-central Montana, near to a little above average along the western edge of the state and below average in the southwestern and central areas. Basins in south-central Montana show near to a little below average soil moisture.

SURFACE WATER SUPPLY INDEX

The Surface Water Supply Index (SWSI) is a measure of available surface water supplies during the spring and summer months. The index ranges from -4.0 to +4.0. A SWSI of -4.0 represents an extremely dry situation, 0 is near a normal situation and +4.0 represents an extremely wet situation. The SWSI provides a scale to evaluate various levels of wetness or dryness and water supply conditions across the state. The SWSI takes into account snowpack, mountain precipitation, soil moisture and available reservoir storage.

SWSI Scale

SWSI	DESIGNATION
+3.0 to +4.0	Extremely wet
+2.0 to +3.0	Moderately wet
+1.0 to +2.0	Slightly wet
-1.0 to +1.0	Near average
-1.0 to -2.0	Slightly dry
-2.0 to -3.0	Moderately dry
-3.0 to -4.0	Extremely dry

SWSI's are currently available on the following basins. This list will be expanded as SWSI's for other basins are developed.

SWSI as of March 1, 1991 for the remainder of the 1991 irrigation season.

SWSI	BASIN
+3.3	Tobacco River
-2.1	Clark Fork above Blackfoot River
+1.0	Blackfoot River
-0.4	Clark Fork River above Missoula
-1.9	Bitterroot River
-0.8	Clark Fork River below Bitterroot River
-3.7	Beaverhead River
-3.0	Ruby River
-3.1	Big Hole River
-2.8	Boulder River (Jefferson)
-3.2	Jefferson River
-2.4	Madison River
-2.5	Gallatin River
-2.8	Missouri River above Canyon Ferry
-1.8	Smith River
+3.1	Sun River
+3.3	Marias River
-2.3	Musselshell River
+2.8	Milk River
-2.4	Yellowstone River above Livingston
~~-1.9~~ -2.9	Shields River
-2.1	Boulder River (Yellowstone)
-1.6	Stillwater River (Yellowstone)
-2.2	Clarks Fork River
-2.0	Rock-Red Lodge Creek
-2.2	Yellowstone River above Bighorn River
-0.4	Little Bighorn River
-0.4	Tongue River

KOOTENAI RIVER BASIN in Montana

Mountain precipitation was about 110 percent of average over the basin for February but varied from below average in the southern portion to well above average in the northeastern part. Valley precipitation was generally below average. Snowpack conditions range from 90 percent of average in the Fisher River Drainage to about 135 percent of average on the East Kootenay River Basin in British Columbia. Storage in Lake Koocanusa is 70 percent of average. Soils under the snowpack remain wetter than normal. Spring and summer streamflows are forecast to range from about 110 to 125 percent of average. The Surface Water Supply Index (SWSI) for the Tobacco River is +3.3.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
TOBACCO nr Eureka	APR-JUL	166	181	190	141	200	215	135
	APR-SEP	183	199	210	141	220	240	149
KOOTENAI bl Libby Dam (1,2)	APR-JUL	6100	6920	7290	124	7660	8480	5885
	APR-SEP	7150	8110	8550	124	8990	9950	6903
FISHER nr Libby	APR-JUL	260	285	300	127	315	340	236
	APR-SEP	275	300	315	125	330	355	253
YAAK nr Troy	APR-JUL	465	510	540	109	570	615	495
	APR-SEP	490	535	565	109	595	640	518
KOOTENAI at Leonia (1,2)	APR-JUL	7410	8400	8870	121	9340	10400	7340
	APR-SEP	8530	9660	10200	121	10700	12000	8441

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
LAKE KOOCANUSA	5748.0	1412.0	1947.0	1998.0

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
EAST KOOTENAI in B.C.	27	115	136
KOOTENAI MAINTSTEM in MT	28	95	102
TOBACCO	4	115	125
FISHER	6	90	89
YAAK	10	93	99
KOOTENAI in MT	35	95	102
KOOTENAI ab Bonners Ferry	62	103	113

FLATHEAD RIVER BASIN

February mountain precipitation was about 80 percent of average. Valley precipitation was generally well below average. Mountain snowpacks range from about 95 percent of average in the Little Bitterroot River Drainage to about 130 percent of average in the North Fork Flathead River Basin. Soil profiles remain wetter than normal. Reservoir storages are near to above average for March 1 except for the combined storage of the eight Mission Valley reservoirs which is about 60 percent of average. Spring and summer streamflows are forecast to be above average in the 115 to 125 percent of average range.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
NF FLATHEAD nr Columbia Falls	APR-JUL	1950	2060	2130	125	2200	2310	1701
	APR-SEP	2160	2270	2350	125	2430	2540	1880
MF FLATHEAD nr West Glacier	APR-JUL	1870	2010	2100	125	2190	2330	1680
	APR-SEP	2040	2190	2290	125	2390	2540	1836
SF FLATHEAD nr Columbia Fls (1,2)	APR-JUL	2160	2390	2490	118	2590	2820	2110
	APR-SEP	2290	2540	2650	118	2760	3010	2249
FLATHEAD at Columbia Falls (2)	APR-JUL	6250	6620	6870	122	7120	7490	5622
	APR-SEP	6800	7200	7480	122	7760	8160	6114
STILLWATER nr Whitefish	APR-JUL	205	220	230	128	240	255	180
	APR-SEP	230	245	255	128	265	280	199
WHITEFISH nr Kalispell	APR-JUL	114	123	130	129	137	147	101
	APR-SEP	130	140	147	129	154	164	114
SWAN nr Bigfork	APR-JUL	620	670	700	117	730	780	599
	APR-SEP	710	765	800	117	835	890	685
FLATHEAD nr Polson (1,2)	APR-JUL	6910	7680	8030	122	8380	9150	6586
	APR-SEP	7510	8340	8720	122	9100	9930	7150

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
CAMAS (4)	45.2	31.2	21.0	21.7
MISSION VALLEY (8)	100.0	23.3	48.5	38.4
HUNGRY HORSE	3451.0	2092.0	2456.0	2257.0
FLATHEAD LAKE	1791.0	932.7	792.2	901.0

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
NORTH FORK FLATHEAD	15	114	130
MIDDLE FORK FLATHEAD	11	105	121
SOUTH FORK FLATHEAD	12	120	119
STILLWATER-WHITEFISH	9	112	109
SWAN	14	116	117
MISSION VALLEY	7	107	110
LITTLE BITTERROOT-ASHLEY	10	108	96
JOCKO	7	118	109
FLATHEAD	57	112	118

UPPER CLARK FORK RIVER BASIN

Precipitation amounts were light across the basin during February with the mountain areas receiving about 45 percent of average. For the water year which began October 1, the cumulative mountain precipitation is about 93 percent of average. Basin snowpack conditions now range from 65 to 70 percent of average in most areas of the Upper Clark Fork River above Rock Creek to near average on the Blackfoot River Drainage. Soil moisture conditions are near to above normal in the Blackfoot River Basin and near to below normal elsewhere. Streamflows for the spring and summer period are expected to range from about 60 to 65 percent of average on the Upper Clark Fork River and its tributaries to near average on the Clearwater River Drainage. The Surface Water Supply Index (SWSI) is -2.1 for the Clark Fork River above the Blackfoot River, +1.0 for the Blackfoot River and -0.4 for the Clark Fork River above Missoula.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
		<---DRIER---	FUTURE			--WETTER--->		
		-----	CHANCE OF EXCEEDING *			-----		
MOULTON RES inflow (million gal.)	APR-JUN	58	109	143	61	177	230	233
	APR-JUL	59	116	154	60	192	250	257
WARM SPRINGS CK at Anaconda (2)	APR-JUL	13.0	20	24	63	29	35	38
	APR-SEP	17.0	24	29	62	34	41	47
LITTLE BLACKFOOT nr Garrison	APR-JUL	6.0	35	55	59	75	104	94
	APR-SEP	7.0	39	60	59	81	113	102
FLINT CK nr Southern Cross (2)	APR-JUL	3.8	7.0	9.1	60	11.2	14.4	15.2
	APR-SEP	4.1	8.1	10.8	60	13.5	17.5	18.0
FLINT CK bl Boulder Ck	APR-JUL	16.0	29	37	61	45	58	61
	APR-SEP	24	38	48	62	58	73	78
LOWER WILLOW CK RES inflow	APR-JUL	3.1	6.5	8.9	60	11.3	14.7	14.9
	APR-SEP	3.5	7.1	9.5	60	11.9	15.5	15.8
MF ROCK CK nr Philipsburg	APR-JUL	36	44	50	72	56	64	69
	APR-SEP	39	49	55	71	61	71	77
ROCK CK nr Clinton	APR-JUL	146	187	215	70	245	285	306
	APR-SEP	164	210	240	70	270	315	345
NEVADA CK nr Finn	APR-JUL	4.8	10.3	14.0	67	17.7	23	21
	APR-SEP	5.3	11.1	15.0	68	18.9	25	22
CLEARWATER nr Clearwater	APR-JUL	143	156	165	98	174	187	168
	APR-SEP	152	166	175	98	184	198	178
BLACKFOOT nr Bonner	APR-JUL	605	705	770	88	835	935	874
	APR-SEP	670	775	850	88	925	1030	969
CLARK FORK ab Milltown	APR-JUL	210	355	450	64	545	690	703
	APR-SEP	255	415	520	64	625	785	812
CLARK FORK ab Missoula	APR-JUL	845	1070	1220	77	1370	1590	1577
	APR-SEP	965	1210	1370	77	1530	1780	1781

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GEORGETOWN LAKE	31.0	29.4	24.6	25.7
LOWER WILLOW CREEK	4.9	1.9	3.8	1.7
NEVADA CREEK	12.6	6.8	7.0	5.2

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
CLARK FORK ab FLINT CREEK	26	83	69
FLINT CREEK	14	82	65
ROCK CREEK	4	94	82
CLARK FORK ab BLACKFOOT	42	87	73
BLACKFOOT	23	109	99
UPPER CLARK FORK	61	97	84

BITTERROOT RIVER BASIN

Precipitation amounts for February were much below average throughout the basin with the mountain areas receiving about 45 percent of average. Since October 1, cumulative mountain precipitation is now about 90 percent of average. Mountain soil moisture conditions are generally near to a little below normal. Storage in Lake Como is near average. Streamflows for the spring and summer period are expected to be between 70 and 80 percent of average. One exception is Rock Creek near Darby which is forecast to be about 85 percent of average. The Surface Water Supply Index (SWSI) for the Bitterroot River is -1.9.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
		<---DRIER---	FUTURE	--WETTER--->				
		-----	CHANCE OF EXCEEDING *	-----				
WF BITTERROOT nr Conner (2)	APR-JUL	79	103	119	73	135	159	163
	APR-SEP	86	112	129	73	146	172	177
BITTERROOT nr Darby	APR-JUL	290	350	395	75	440	500	524
	APR-SEP	320	385	430	75	475	540	573
ROCK CK nr Darby (2)	APR-JUL	53	61	66	83	71	79	80
	APR-SEP	57	65	70	83	75	83	84
SKALKAHO CK nr Hamilton	APR-JUL	28	33	37	77	41	46	48
	APR-SEP	33	39	43	77	47	53	56
BURNT FORK CK nr Stevensville (2)	APR-JUL	14.0	19.0	22	73	25	30	30
	APR-SEP	17.0	22	26	72	30	35	36
BITTERROOT at Missoula	APR-JUL	790	920	1010	74	1100	1230	1371
	APR-SEP	865	1000	1100	74	1200	1340	1495

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
PAINTED ROCKS LAKE	31.7	1.6	0.0	14.7
COMO	34.9	14.0	15.4	13.4

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
WEST FORK BITTERROOT	9	88	75
EAST SIDE BITTERROOT	6	90	78
WEST SIDE BITTERROOT	9	85	81
BITTERROOT	24	87	78

LOWER CLARK FORK RIVER BASIN

February mountain precipitation was about 75 percent of average, bringing the cumulative total, since October 1, down to 120 percent of average. Mountain snowpacks are about 80 percent of average in the Bitterroot and Upper Clark Fork above Missoula River Basins. The smaller tributaries on the Lower Clark Fork River report snowpacks ranging from about 70 percent of average at the lower elevations to near average at the higher elevations. Storage in Noxon Reservoir is near average. Spring and summer streamflows are forecast to be about 75 percent of average between Missoula and St. Regis and 95 to 105 percent of average in the lower reaches. The smaller tributaries are forecast to be near or a little above average. The Surface Water Supply Index (SWSI) is -0.4 for the Clark Fork River at Missoula, -1.9 for the Bitterroot River and -0.8 for the Clark Fork River below Bitterroot River.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
CLARK FORK ab Missoula	APR-JUL	845	1070	1220	77	1370	1590	1577
	APR-SEP	965	1210	1370	77	1530	1780	1781
CLARK FORK bl Missoula	APR-JUL	1670	2000	2230	76	2460	2790	2948
	APR-SEP	1860	2220	2470	75	2720	3080	3276
CLARK FORK at St. Regis (1)	APR-JUL	1640	2510	2900	74	3290	4160	3894
	APR-SEP	1830	2790	3230	75	3670	4630	4325
CLARK FORK nr Plains (1,2)	APR-JUL	8410	10100	10900	100	11700	13400	10850
	APR-SEP	9310	11100	12000	101	12900	14800	11930
THOMPSON nr Thompson Falls	APR-JUL	197	230	250	113	270	305	222
	APR-SEP	220	255	280	112	305	340	250
PROSPECT CK at Thompson Falls	APR-JUL	91	111	124	97	137	157	128
	APR-SEP	98	119	133	97	147	168	137
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	8940	10900	11800	97	12700	14700	12150
	APR-SEP	9850	12000	13000	97	14000	16200	13370

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
NOXON RAPIDS	335.0	306.7	274.0	297.6

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER CLARK FORK	61	97	84
BITTERROOT	24	87	78
LOWER CLARK FORK	25	91	89
CLARK FORK TOTAL	103	92	84
FLATHEAD	44	112	121
PEND OREILLE	151	99	97

JEFFERSON RIVER BASIN

February brought another month of much below average precipitation over the basin with the mountain areas receiving about 30 percent of average. Since October 1, mountain precipitation totals are about 70 percent of average. Basin snowpacks remain very low, ranging from about 55 to 65 percent of average. Some areas in the Red Rock Drainage are as low as 35 percent of average. Soil profiles are dryer than normal. Reservoir storage levels range from much below average in Lima and Clark Canyon Reservoirs to a little below average in Ruby Reservoir. Spring and summer streamflows are generally expected to range between 40 and 60 percent of average. Surface Water Supply Indexes (SWSI) are: Beaverhead River -3.7; Ruby River -3.0; Jefferson River -3.2; Big Hole River -3.1; Boulder River -2.8.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
		CHANCE OF EXCEEDING *						
RED ROCK RIVER near Monida (2)	APR-JUL	27	33	45	43	61	85	105
	APR-SEP	34	40	50	44	69	96	114
BEAVERHEAD RIVER near Grant (2)	APR-JUL	16.0	30	59	40	96	149	149
	APR-SEP	18.0	35	70	40	113	177	175
BEAVERHEAD RIVER at Barratts (2)	APR-JUL	29	44	85	44	126	187	192
	APR-SEP	40	53	102	46	151	220	224
RUBY RIVER near Alder	APR-JUL	36	42	53	60	64	80	89
	APR-SEP	47	53	64	60	77	96	106
BIG HOLE RIVER near Melrose	APR-JUL	210	290	370	53	450	570	696
	APR-SEP	210	310	400	53	490	615	757
BOULDER RIVER near Boulder	APR-JUL	25	38	55	60	73	98	91
	APR-SEP	30	39	58	60	77	105	97
WILLOW CREEK near Harrison	APR-JUL	4.9	6.0	7.5	40	11.8	18.2	18.9
	APR-SEP	5.9	6.9	8.4	40	13.2	20	21
JEFFERSON near Three Forks (2)	APR-JUL	260	290	320	31	510	795	1042
	APR-SEP	275	325	360	31	575	885	1156

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
LIMA	84.0	12.5	19.7	37.5
CLARK CANYON	255.6	93.0	89.9	146.1
RUBY RIVER	38.8	24.8	24.6	27.2

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
BEAVERHEAD	34	77	57
RUBY	14	84	64
BIGHOLE	26	81	64
BOULDER	15	74	64
JEFFERSON	72	79	62

MADISON RIVER BASIN

Precipitation during February was very light across the basin with the mountain areas receiving about 30 percent of average. Since October 1, cumulative mountain precipitation is 70 percent of average. Basin snowpack conditions range from 60 to 70 percent of average. Soils under the snowpack remain drier than normal. Spring and summer streamflows are forecast to be between 55 and 65 percent of average. Managers of Hebgen Lake are now beginning to fill the reservoir in anticipation of the low runoff conditions and current storage is a little above average. The Surface Water Supply Index (SWSI) for the Madison River is -2.4.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
MADISON RIVER near Grayling (2)	APR-JUL	183	225	250	63	275	315	399
	APR-SEP	235	285	315	63	345	395	499
MADISON RIVER near McAllister (2)	APR-JUL	290	355	400	59	445	510	680
	APR-SEP	395	450	500	58	550	625	856

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
ENNIS LAKE	41.0	15.1	29.9	34.8
HEBGEN LAKE	377.5	250.9	255.3	235.3

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
MADISON above HEBGEN	16	72	63
LOWER MADISON	21	80	69
MADISON	36	76	66

FORECAST POINT	PAST	80% CHANCE OF EXCEEDING *			50%	20%	10%	2%?
	PERIOD	(KAF)	(KAF)	(KAF)	AVG	(KAF)	(KAF)	(KAF)
MADISON RIVER near Grayling (2)	APR-JUL	187	225	250	93	275	315	369
	APR-SEP	235	285	315	93	345	395	464
MADISON RIVER near Bozeman (2)	APR-JUL	290	355	400	94	445	510	600
	APR-SEP	395	490	550	98	610	705	830

* 80%, 10%, 20%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)				
RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	5-YR AVG.
EARTH LAKE	61.0	15.1	29.9	36.8
HEBGEN LAKE	377.5	250.9	295.3	295.5

WATERSHED SNOWPACK ANALYSIS			
CRITICAL	NO. OVERLYS	THIS YEAR AS % OF	
	AVG'D	LAST YR.	AVERAGE
MADISON above HEBGEN	16	72	63
LEWIS MADISON	21	80	69
MADISON	35	75	66

GALLATIN RIVER BASIN

February mountain precipitation was about 40 percent of average. The total cumulative precipitation, since October 1, is now about 75 percent of average. Basin snowpack conditions range from about 70 to 75 percent of average. Soil moisture conditions are below normal. Spring and summer streamflows are expected to be in the 65 to 75 percent of average range. The Surface Water Supply Index (SWSI) for the Gallatin River is -2.5.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
		<---DRIER---		FUTURE			---WETTER--->	
		-----		CHANCE OF EXCEEDING *			-----	
GALLATIN RIVER near Gateway	APR-JUL	260	305	335	73	365	410	460
	APR-SEP	320	370	400	74	430	480	540
E & W FK HYALITE CK nr Bozeman	APR-JUL	12.0	15.0	17.0	71	19.0	22	24
	APR-SEP	14.8	17.9	20	71	22	25	28
HYALITE CREEK near Bozeman (2)	APR-JUL	19.0	24	27	71	30	35	38
	APR-SEP	23	29	32	73	36	41	44
GALLATIN RIVER at Logan	APR-JUL	200	290	350	66	410	500	528
	APR-SEP	275	365	425	69	485	575	616

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
MIDDLE CREEK	8.0	5.0	4.5	3.6

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
UPPER GALLATIN	14	79	71
EAST GALLATIN	13	84	69
GALLATIN	24	80	69

MAINSTEM MISSOURI RIVER BASIN

Mountain precipitation during February was about 30 percent of average. Since October 1, cumulative precipitation is now 90 percent of average. Mountain snowpack conditions range between 60 to 70 percent of average on the Missouri Headwaters, 70 to 80 percent of average on the Smith River Drainage and smaller tributaries in the central part of the basin, and 120 to 135 percent of average in the headwaters of the major tributaries to the north. Soils under the snowpack are generally drier than normal except in the headwater areas of the northern tributaries where wetter than normal conditions exist. Spring and summer streamflows are forecast to range from 55 to 65 percent of average on the Mainstem between Toston and Fort Benton and about 70 percent of average below Fort Benton. The Surface Water Supply Index (SWSI) for the Missouri River above Canyon Ferry Reservoir is -2.8.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
MISSOURI RIVER at Toston (2)	APR-JUL	855	970	1200	53	1460	1850	2250
	APR-SEP	1090	1190	1400	54	1690	1190	2590
PRICKLY PEAR CREEK nr Clancy	APR-JUL	7.5	12.3	19.0	73	26	35	26
	APR-SEP	10.0	15.0	22	71	30	41	31
SUN RIVER at Gibson Dam (2)	APR-JUL	425	510	565	114	620	705	494
	APR-SEP	475	560	620	114	680	765	542
MISSOURI RIVER at Fort Benton (2)	APR-JUL	1040	1690	2250	65	2810	3630	3470
	APR-SEP	1360	1990	2600	65	3210	4120	3990
MARIAS RIVER near Shelby (2)	APR-JUL	310	465	570	119	675	830	478
	APR-SEP	330	490	600	120	710	870	501
MISSOURI RIVER at Virgelle (2)	APR-JUL	1390	2130	2800	71	3470	4470	3960
	APR-SEP	1760	2460	3200	71	3940	5020	4500
MISSOURI RIVER near Landusky (2)	APR-JUL	1510	2270	3050	71	3830	4970	4310
	APR-SEP	1910	2660	3500	71	4340	5570	4900
MISSOURI RIVER blw Fort Peck (2)	APR-JUL	1450	2150	3030	71	3910	5190	4260
	APR-SEP	1630	2450	3400	71	4350	5750	4800
LAKE SAKAKAWEA Inflow (2)	APR-JUL	3960	6170	7800	71	9430	11800	11000
	APR-SEP	4340	6940	8700	71	10500	13100	12200

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
CANYON FERRY LAKE	2043.0	1437.0	1410.0	1563.0
HELENA VALLEY	9.2	4.0	3.2	4.7
LAKE HELENA	10.4	10.9	11.1	10.1
HAUSER & HELENA	61.9	63.1	63.6	60.7
HOLTER LAKE	81.9	80.6	65.3	66.6
FORT PECK LAKE (MAF)	18.9	10.6	10.9	14.9

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
MISSOURI HEADWATERS	115	78	64
WEST SIDE MISSOURI	12	84	78
SMITH-BELT	11	80	75
MAINSTEM MISSOURI	23	81	77
SUN-TETON-MARIAS	18	107	123
JUDITH-MUSSELSHELL	17	72	74
MISSOURI above FORT PECK	158	83	73
MILK RIVER	11	98	108
MISSOURI in MONTANA	167	83	74
MISSOURI blw YELLOWSTONE	270	83	76

SMITH-JUDITH-MUSSELSHELL RIVER BASINS

February mountain precipitation was about 45 percent of average. Cumulative precipitation, since October 1, is now at 85 percent of average. Mountain snowpack conditions are in the 70 to 75 percent of average range. High elevation snowpacks are generally better than snowpacks at the lower elevations. Soil moisture conditions are drier than normal. Spring and summer streamflows are expected to be well below average in the 55 to 65 percent of average range. The Surface Water Supply Index (SWSI) is +1.8 for the Smith River and -2.3 for the Musselshell River.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
		<---DRIER---		FUTURE		--WETTER--->		
		-----		CHANCE OF EXCEEDING *		-----		
SMITH RIVER nr Ft. Logan	APR-JUL	16.0	23	37	54	51	72	68
	APR-SEP	21	29	44	55	59	81	80
SHEEP CK nr White Sulphur Springs	APR-JUL	7.3	10.1	12.0	64	13.9	16.7	18.8
	APR-SEP	8.8	11.9	14.0	64	16.1	19.2	22
NF MUSSELSHELL near Delpine	APR-JUL	1.3	2.1	3.0	59	3.9	5.2	5.1
	APR-SEP	1.5	2.5	3.5	59	4.5	6.0	5.9
SF MUSSELSHELL abv Martinsdale	APR-JUL	10.0	19.0	33	58	47	67	57
	APR-SEP	10.0	21	35	57	49	70	61

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
SMITH RIVER	10.6	5.4	3.6	7.2
NEWLAN CREEK		NO REPORT		
BAIR	7.0	3.2	2.8	4.5
MARTINSDALE	23.1	7.4	11.0	10.0
DEADMAN'S BASIN	72.2	35.1	32.8	48.3

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
SMITH-BELT	11	80	75
JUDITH-MUSSELSHELL	17	72	74

SUN-TETON-MARIAS RIVER BASINS

Mountain precipitation for February was about 75 percent of average. The cumulative precipitation totals, since October 1, is about 150 percent of average. Mountain snowpacks in the headwater areas along the Continental Divide range from 120 to 130 percent of average. Soil moisture conditions are above average at the higher elevations but decrease to below average in the valley areas. Streamflow forecasts for the spring and summer period range from about 115 percent of average for the Sun River at Gibson Dam to about 135 percent of average on Badger Creek near Browning. The Surface Water Supply Index (SWSI) is +3.1 on the Sun River and +3.3 for the Marias River.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
SUN RIVER at Gibson Dam (2)	APR-JUL	425	510	565	114	620	705	494
	APR-SEP	475	560	620	114	680	765	542
TWO MEDICINE CREEK nr Browning (2)	APR-JUL	205	255	290	131	325	375	222
	APR-SEP	225	275	310	132	345	395	235
BADGER CREEK near Browning (2)	APR-JUL	100	124	140	131	156	180	107
	APR-SEP	122	148	165	134	182	210	123
SWIFT RESERVOIR Inflow nr Dupuyer	APR-JUL	61	78	89	127	100	117	70
	APR-SEP	75	93	105	128	117	135	82
DUPUYER CREEK near Valier	APR-JUL	3.0	14.0	21	124	28	39	17.0
	APR-SEP	4.0	15.0	23	123	31	42	19.0
CUT BANK CREEK at Cut Bank	APR-JUL	80	98	110	120	122	140	92
	APR-SEP	90	108	120	120	132	150	100
MARIAS RIVER near Shelby (2)	APR-JUL	310	465	570	119	675	830	478
	APR-SEP	330	490	600	120	710	870	501

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
GIBSON	99.1	50.2	59.6	46.4
PISHKUN	32.0	19.3	18.5	18.1
WILLOW CREEK	32.2	27.9	30.6	20.3
LOWER TWO MEDICINE LAKE		NO REPORT		
FOUR HORNS LAKE		NO REPORT		
SWIFT	30.0	21.2	19.5	14.9
LAKE FRANCES	112.0	68.2	92.0	68.5
LAKE ELWELL (TIBER)	1347.0	698.0	750.1	555.2

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
SUN-TETON	12	110	119
MARIAS	7	105	128
SUN-TETON-MARIAS	18	107	123

ST. MARY and MILK RIVER BASINS

Mountain precipitation for February was 65 percent of average. The cumulative precipitation, since October 1, is now 140 percent of average. Mountain snowpacks in the St. Mary and Milk River Headwaters range from 125 to 135 percent of average. In the Bear Paw Mountains, snowpacks are 55 percent of average. Soil moisture conditions are wetter than normal in the western part of the basin but a little drier than normal in the lower reaches of the Milk River Drainage. Reservoir storage is near average in Fresno and Nelson Reservoirs and well above average in Lake Sherburne and Beaver Creek Reservoirs. Streamflows for the spring and summer months are forecast to be between 105 and 115 percent of average. The Surface Water Supply Index (SWSI) is +2.8 for the Milk River (USBR Project water users).

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
SWIFTCURRENT CK at Sherburne (2)	APR-JUL	105	114	120	109	126	135	110
	APR-SEP	124	134	140	109	147	156	128
ST. MARY RIVER near Babb (2)	APR-JUL	380	420	450	111	480	520	404
	APR-SEP	455	500	530	112	560	605	474
MILK RIVER at Eastern Crossing	MAR-SEP	81	86	99	102	142	161	97
MILK RIVER at Eastern Crossing (2)	MAR-SEP			280	104			270

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
LAKE SHERBURNE	64.3	43.6	36.9	24.1
FRESNO	127.0	54.1	86.3	51.5
BEAVER CREEK	3.5	2.9	3.0	2.0
NELSON	66.8	35.6	36.0	36.0

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
MILK HEADWATERS	4	113	128
BEAR PAW	7	57	56
MILK RIVER	11	98	108
ST. MARY	7	108	123
ST. MARY and MILK	13	101	112
BOW RIVER in ALBERTA	19	119	159
OLDMAN RIVER in ALBERTA	9	121	166

UPPER YELLOWSTONE RIVER BASIN

February mountain precipitation amounts were 55 percent of average. Since October 1, the cumulative total precipitation is now 85 percent of average. Basin snowpack conditions range from 70 to 80 percent of average except on the Shields River Drainage which is 65 percent of average. Soil moisture levels are below normal on the Shields River and range from a little below to a little above normal elsewhere. Streamflows for the spring and summer period are generally expected to be between 70 and 80 percent of average. Exceptions are the Shields River near Livingston which is forecast at 60 percent of average and Red Lodge Creek below Cooney Reservoir which is forecast at 85 percent of average. The Surface Water Supply Index (SWSI) are: Yellowstone River above Livingston -2.4; Shields River -1.9; Boulder River -2.1; Stillwater River -1.6; Clarks Fork River -2.2; Rock-Red Lodge Creek -2.0; Yellowstone River above Bighorn River -2.2.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
YELLOWSTONE at Lake Outlet	APR-JUL	315	390	440	75	490	565	590
	APR-SEP	445	545	610	75	675	775	818
YELLOWSTONE at Corwin Springs	APR-JUL	990	1150	1250	76	1350	1510	1650
	APR-SEP	1200	1380	1500	75	1620	1810	2000
YELLOWSTONE RIVER near Livingston	APR-JUL	1130	1300	1420	74	1540	1710	1920
	APR-SEP	1440	1640	1770	76	1900	2100	2330
SHIELDS RIVER near Livingston	APR-JUL	45	67	100	60	134	183	168
	APR-SEP	56	81	115	61	149	200	187
BOULDER RIVER at Big Timber	APR-JUL	168	220	255	72	290	340	353
	APR-SEP	189	245	280	73	315	370	384
W. ROSEBUD CREEK near Roscoe (2)	APR-JUL	36	43	48	75	54	62	64
	APR-SEP	49	57	63	76	69	77	83
STILLWATER RIVER nr Absarokee (2)	APR-JUL	260	330	390	74	450	535	524
	APR-SEP	320	410	470	75	530	620	625
CLARKS FORK RIVER near Belfry	APR-JUL	295	355	400	74	445	505	540
	APR-SEP	340	400	445	74	490	550	603
RED LODGE CK blw Cooney Res (2)	APR-JUL	12.0	29	40	82	51	68	49
	APR-SEP	22	39	50	83	61	78	60
YELLOWSTONE RIVER at Billings	APR-JUL	1860	2360	2700	72	3040	3540	3740
	APR-SEP	2320	2840	3200	73	3560	4080	4410

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
MYSTIC LAKE	21.0	1.7	2.2	6.5
COONEY	27.4	18.8	21.3	14.5

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
YELLOWSTONE ab LIVINGSTON	24	77	73
SHIELDS	10	82	64
BOULDER-STILLWATER	6	67	69
CLARK'S FORK-ROCK CREEK	19	80	76
YELLOWSTONE above BIGHORN	52	78	72

LOWER YELLOWSTONE RIVER BASIN

Mountain precipitation during February was 110 percent of average. Since October 1, cumulative mountain precipitation is 105 percent of average. Mountain snowpack conditions are generally in the 90 to 100 percent of average range except on the Bighorn Basin which reports 80 percent of average. Storage in Bighorn Lake is a little above average. Streamflows for the spring and summer period are forecast to range from 75 to 85 percent of average. The Surface Water Supply Index (SWSI) for both the Little Bighorn and Tongue Rivers is -0.4.

STREAMFLOW FORECASTS

FORECAST POINT	FCST PERIOD	<---DRIER--- FUTURE --WETTER---> CHANCE OF EXCEEDING * 90% (KAF)	70% (KAF)	50% (KAF)	50% %AVG	30% (KAF)	10% (KAF)	25YR (KAF)
YELLOWSTONE RIVER at Billings	APR-JUL	1860	2360	2700	72	3040	3540	3740
	APR-SEP	2320	2840	3200	73	3560	4080	4410
BIG HORN RIVER nr St. Xavier (2)	APR-JUL	750	1010	1280	74	1550	1940	1740
	APR-SEP	810	1140	1420	74	1700	2120	1920
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	43	97	133	88	169	225	151
	APR-SEP	50	108	147	86	186	245	170
TONGUE RIVER near Decker (2)	APR-JUL	90	159	205	85	250	320	240
	APR-SEP	105	176	225	85	275	345	265
YELLOWSTONE at Miles City (2)	APR-JUL	2520	3540	4230	75	4920	5940	5640
	APR-SEP	2970	4060	4800	74	5540	6630	6510
POWDER RIVER near Locate	APR-JUL	76	144	215	77	285	390	278
	APR-SEP	86	162	235	78	310	415	302
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	2730	3840	4600	73	5360	6470	6260
	APR-SEP	3270	4480	5300	74	6120	7330	7200

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1985 base period.

(2) - The value is natural flow - actual flow may be affected by upstream water management.

RESERVOIR STORAGE (1000AF)

RESERVOIR	USABLE CAPACITY	** USABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.
BIGHORN LAKE	1356.0	733.9	741.6	660.0
TONGUE RIVER		NO REPORT		

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
BIG HORN (Wyoming)	56	89	81
LITTLE BIGHORN	5	76	92
TONGUE RIVER (Wyoming)	15	88	99
POWDER RIVER (Wyoming)	13	91	89
YELLOWSTONE RIVER	119	83	78